

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-25. (Canceled)

26. (Previously Presented) System according to Claim 44, wherein a probe is provided to supply oxygen to the mask interior.

27. (Previously Presented) System according to Claim 26, wherein an excess oxygen opening is provided in the probe.

28. (Previously Presented) System according to Claim 44, wherein openings are provided in the mask for gas exchange between the mask interior and outside air.

29.-43. (Canceled)

44. (Currently Amended) A capnography system for determining carbon dioxide content of exhaled air, comprising

- a mask surrounding a patient's mouth and nose;
- a mask adapter configured to include an air tube connected with an interior portion of the mask to supply the exhaled air;
- an analysis duct connectable at one end with the mask adapter so as to be supplied with the exhaled air and at another end being open so as to lead directly to outside air ~~without the use of a pump~~;
- a sensor for generating measuring signals proportional to the carbon dioxide content of the exhaled air supplied to the analysis duct;
- a sensor adapter with which the sensor is associated and in which the analysis duct is arranged and the sensor adaptor being associated with the mask adapter to operatively connect one end of the analysis duct with a small dead volume to the air tube in the mask adapter such that the exhaled air is acted upon only by the exhaled air pressure causing characteristic flow in the air tube and the analysis duct during a direct measurement of the carbon dioxide content in said characteristic flow of exhaled air in said analysis duct;
- and
- an evaluation device which is connected to the sensor and has indicating devices for performing capnographical monitoring.

45. (Previously Presented) System according to Claim 44, wherein the sensor adapter includes a receiving device to which the sensor is adapted to be detachably fitted.

46. (Previously Presented) System according to Claim 44, wherein the sensor is configured to measure the CO₂ content in the exhaled air occurs during each breath.

47. (Withdrawn) A method employing the capnography system according to Claim 44, comprising using the system to measure each breath exhaled from the patient's mouth and nose for capnography evaluation.